

The Mission Level Measures (MLMs) for the JBDA JT&E address the *outputs* of the BDA process and how those outputs are utilized by the command. JBDA has two MLMs:

- Percent of BDA Reports providing actionable information on the status of targets and target systems
- Percent of BDA-related decision points supported by BDA reporting

JBDA JT&E results are expected to address critical problems identified in BDA support. JBDA will also provide enhancements that will resolve those problems and improve the combat effectiveness and efficiency of joint operations.

A legacy product provides a basis to implement and institutionalize the conclusions and recommendations of a JT&E. The following list includes potential JBDA legacy products to be used by the Joint Staff, combatant commands, the Services, and other JT&E efforts.

- ✓ Documentation of the BDA process
- ✓ Draft Tactics Techniques and Procedures (TTPs) in place at Warfighting CINCs and Federated Partners
- ✓ Requirements for future technologies
- ✓ Enhanced use of functional and systems analytical procedures
- ✓ Improved use of existing BDA software tools and techniques
- ✓ Improved BDA personnel management
- ✓ Enhanced Training
- ✓ Test data showing quantifiable improvement in BDA



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Joint Battle Damage Assessment Joint Test & Evaluation



**"Better BDA for the Joint
Warfighter"**

*Office of the Secretary of Defense
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and Logistics*

Joint Battle Damage Assessment

Joint Test & Evaluation



The fundamental purpose of the JBDA JT&E

is to enhance the combat effectiveness and efficiency of air, land, and sea forces and their ability to maintain situational awareness while achieving the commander's objectives. JBDA will evaluate the BDA process utilized by a joint force to conduct physical, functional and target systems assessments, and the overall ability of this process to support operational planning and execution. JBDA will focus on BDA reporting and the impact this reporting has on supporting key decision points. The program is concerned with the ability to provide accurate BDA in time to support these decision points and refining the process that produces them. The JBDA JT&E will:

- Identify, test, and assess current BDA processes and procedures; and recommend and evaluate enhancements.
- Characterize current BDA training and manpower authorizations for unified command, Service, and agency BDA personnel and recommend and evaluate training improvements.
- Define systems and architectures interoperability and nominate and test fixes.



JBDA PROBLEM STATEMENT

Study of the joint targeting process in support of the Joint Force Commander indicates that, while enhancements have been implemented, battle damage assessment still needs improvement to provide effective and timely assessments of fixed and mobile* targets.



WHAT IS BATTLE DAMAGE ASSESSMENT (BDA)?

BDA is the timely and accurate estimate of damage resulting from the application of military force, either lethal or non-lethal, against a predetermined objective.

Battle damage assessment can be applied to the employment of all types of weapon systems throughout the range of military operations.

* Mobile targets include maneuver forces as well as high-value relocatable targets such as SCUD TELs.

The JBDA JT&E will participate in a series of joint exercises and mini-tests to gather much of the analytical data for both the current (baseline) and enhanced BDA process. JBDA will use a four-year test schedule. JBDA will observe a major exercise in 2001, baseline the exercise in 2002, test enhancements in 2003 and write the final report in 2004. In addition, JBDA will test BDA training enhancements using mini-tests at multiple locations.



Based on the Problem Statement, the following broad issues will be addressed by the JBDA JT&E.

- How much will changes in the *Mobile Target BDA Process* improve support to the JFC?
- How much will changes in the *Fixed Target BDA Process* improve support to the JFC?

Improvements in fixed and mobile target BDA procedures translate into increased responsiveness to the command's BDA requirements, better supporting the decision-making process.